

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: June 29, 2002, 20:57:55 ; Search time 415.2 Seconds

(without alignments)  
795.114 Million cell updates/sec

Title: US-09-303-518D-125

Perfect score: 1344

Sequence: 1 atgattaaatcaaaaaag.....ccattgagaaggaagotga\_1344

Scoring table:

IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 100 summaries

Database :

Issued\_Patents\_NA:\*  
1: /cgn2.6/prodata/1/ina/5A.COMB.seq:\*  
2: /cgn2.6/prodata/1/ina/5B.COMB.seq:\*  
3: /cgn2.6/prodata/1/ina/5A.COMB.seq:\*  
4: /cgn2.6/prodata/1/ina/5B.COMB.seq:\*  
5: /cgn2.6/prodata/1/ina/PCrUS.COMB.seq:\*  
6: /cgn2.6/prodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	34.6	2.6	697	4	US-09-450-072-14
2	34.6	2.6	7218	1	US-08-232-463-14
3	34.6	2.6	80161	3	US-09-036-987A-1
4	34.6	2.6	80161	4	US-09-370-700-1
5	33.6	2.5	4451	3	US-08-717-294-42
6	33.6	2.5	4411529	4	US-09-103-840A-1
7	33	2.5	44377	2	US-08-804-227C-7
8	33	2.5	44377	2	US-08-804-198-1
9	32.8	2.4	2380	4	US-09-235-451-35
10	32.4	2.4	1155	2	US-08-387-942C-7
11	32.2	2.4	4403765	4	US-09-103-840A-2
12	32.2	2.4	4411529	4	US-09-103-840A-1
13	31.8	2.4	1518	2	US-08-997-080-88
14	31.8	2.4	1518	2	US-08-997-362-88
15	31.8	2.4	1518	3	US-08-873-970-88
16	31.8	2.4	1518	4	US-09-095-855-88
17	31.8	2.4	1518	4	US-09-324-542-88
18	31.4	2.3	1596	1	US-08-531-601-2
19	31.4	2.3	1596	1	US-08-859-032-2
20	31.4	2.3	6312	1	US-08-531-601-3
21	31.4	2.3	6312	2	US-08-859-032-3
22	31.2	2.3	1485	4	US-09-372-422A-39
23	31.2	2.3	1618	2	US-08-533-669A-9
24	31.2	2.3	1618	2	US-08-607-509-1
25	31.2	2.3	1618	2	US-08-454-036-1
26	31.2	2.3	1618	2	US-08-634-642-1
27	31.2	2.3	1618	3	US-08-989-370-1

28	31.2	2.3	1618	5	PCr-US95-05064-1	Sequence 1, Appli
29	31.2	2.3	5036	4	US-09-177-349-2	Sequence 2, Appli
30	31.2	2.3	11958	4	US-09-134-246-8	Sequence 8, Appli
31	31.2	2.3	4403765	4	US-09-103-840A-2	Sequence 2, Appli
32	31	2.3	1365	4	US-09-030-995-1	Sequence 1, Appli
33	31	2.3	6270	1	US-08-418-893D-25	Sequence 25, Appli
34	31	2.3	6790	1	US-08-418-893D-22	Sequence 22, Appli
35	31	2.3	46899	1	US-08-471-119A-1	Sequence 1, Appli
36	30.8	2.3	1296	1	US-08-090-523-1	Sequence 1, Appli
37	30.8	2.3	1296	1	US-08-398-627-1	Sequence 1, Appli
38	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
39	30.8	2.3	1296	1	US-08-406-858-1	Sequence 3, Appli
40	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
41	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
42	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
43	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
44	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
45	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
46	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
47	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
48	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
49	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
50	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
51	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
52	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
53	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
54	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
55	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
56	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
57	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
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59	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
60	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
61	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
62	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
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68	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
69	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
70	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
71	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
72	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
73	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
74	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
75	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
76	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
77	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
78	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
79	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
80	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
81	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
82	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
83	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
84	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
85	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
86	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
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89	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
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91	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
92	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
93	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
94	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
95	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
96	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
97	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
98	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
99	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli
100	30.8	2.3	1296	1	US-08-406-858-3	Sequence 3, Appli



```

NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dow AgroSciences LLC Patent Department
STREET: 9330 Zionsville Road
CITY: Indianapolis
STATE: Indiana
COUNTRY: USA
ZIP: 46268
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/036,987A
FILING DATE: 09-MAR-1998
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Stuart, Donald R
REGISTRATION NUMBER: 28,479
REFERENCE/DOCKET NUMBER: 50,608
TELECOMMUNICATION INFORMATION:
TELEPHONE: (317)337-4816
TELEFAX: (317)337-4847
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 80161 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-036-987A-1

Query Match
Best Local Similarity 2.6%; Score 34.6; DB 3; Length 80161;
Matches 64; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 419 ctgcgctgtagtcgagcgctgctgcatcttgcataatgcatgacacacacgtg 478
DB 20364 CCGCATCCGACGACGCGTCTCCGCGCAAGCGTGGTGGCGGCGCTCTGCG 20305

QY 479 ctgcgacccctacgcatcattcaagaagccgaggggtttcaaacgcgcg 531
DB 20304 CAGGAAGCCCGCGCGTCTCCGATGACCCGCGTGGTGGCGGCGGCGCC 20252

RESULT 4
US-09-370-700-1/c
Sequence 1, Application US/09370700
Patent No. 6274350
GENERAL INFORMATION:
APPLICANT: Baltz, Richard H
APPLICANT: Broughton, Mary C
APPLICANT: Crawford, Kathryn P
APPLICANT: Madduri, Krishnamurthy
APPLICANT: Treadway, Patti J
APPLICANT: Turner, Jan R
APPLICANT: Malden, Clive
TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
FILE REFERENCE: 50469 DIV1
CURRENT APPLICATION NUMBER: US/09/370,700
EARLIER FILING DATE: 1999-08-09
EARLIER APPLICATION NUMBER: US 09/36987
NUMBER OF SEQ ID NOS: 39
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 80161
TYPE: DNA
ORGANISM: Saccharopolyspora spinosa
US-09-370-700-1

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Query Match
Best Local Similarity 2.6%; Score 34.6; DB 4; Length 80161;
Matches 64; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 419 ctgcgctgtagtcgagcgctgctgcatcttgcataatgcatgacacacacgtg 478
DB 20364 CCGCATCCGACGACGCGTCTCCGCGCAAGCGTGGTGGCGGCGCTCTGCG 20305

QY 479 ctgcgacccctacgcatcattcaagaagccgaggggtttcaaacgcgcg 531
DB 20304 CAGGAAGCCCGCGCGTCTCCGATGACCCGCGTGGTGGCGGCGGCGCC 20252

RESULT 5
US-08-717-294-42
Sequence 42, Application US/08717294
Patent No. 6114148
GENERAL INFORMATION:
APPLICANT: SEED, BRIAN
APPLICANT: HAAS, JURGEN
TITLE OF INVENTION: HIGH LEVEL EXPRESSION OF
NUMBER OF SEQUENCES: 110
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Elbing LLP
STREET: 176 Federal Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/717,294
FILING DATE: 20-SEP-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Elbing, Karen L
REGISTRATION NUMBER: 35,238
REFERENCE/DOCKET NUMBER: 00786/345001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-428-0200
TELEFAX: 617-428-7045
TELEX:
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 4451 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-717-294-42

Query Match
Best Local Similarity 2.5%; Score 33.6; DB 3; Length 4451;
Matches 105; Conservative 0; Mismatches 119; Indels 0; Gaps 0;

QY 957 ctaccacaatcagattccgtatcgaagaagccgcagcaagagctgttcggtggt 1016
DB 1373 CTACACCGACGAGACTTCAAGACCCGCGAGGCCATCCAGACAGAGTCCGGCATCTCGG 1432

QY 1017 tgcgcgcagccgcggaataatactcatcagcgtaaacctcggccattctgaaaaa 1076
DB 1433 CCCCTGCTGTAGCGCGAGGTGGCGACACCCCTGTGATCATCTTCAAGAACGAGCGCAG 1492

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APPLICATION NUMBER: US/08/804,198
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: CANTRELL, PAUL R.
REGISTRATION NUMBER: 36,470
REFERENCE/DOCKET NUMBER: P9113
TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-276-3885
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4437 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 350..14002
FEATURE:
NAME/KEY: CDS
LOCATION: 14046..20036
FEATURE:
NAME/KEY: CDS
LOCATION: 20110..31284
FEATURE:
NAME/KEY: CDS
LOCATION: 31329..36071
FEATURE:
NAME/KEY: CDS
LOCATION: 36155..41830
US-08-804-198-1

Query Match
Best Local Similarity 2.5%; Score 33; DB 2; Length 4437;
Matches 63; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

Qy 346 gaagaagtcgacgaacatgacacacggttctgagctgacgacccgctcg 405
Db 36170 GACGAAGTCTGCTGCGCTGCGCACCTCTCAAGAGACGCGCTGCGCGCAC 36229
Qy 406 ttacgaacaaatctctgacgacgacgacgacgacgacgacgacgacgacg 458
Db 36230 AACCGGAGCTCTGCGCGCGCGCGCACGAGCGGCTCGCATCTGCGCATGCG 36282

RESULT 9
US-09-235-451-35/c
GENERAL INFORMATION:
APPLICANT: Julius, David J.
APPLICANT: Caterina, Michael J.
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
CAPSAICIN RECEPTOR AND CAPSAICIN RECEPTOR-RELATED
PEPTIDES AND USES THEREOF
FILE REFERENCE: 9076/084CIP
CURRENT APPLICATION NUMBER: US/09/235,451
CURRENT FILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 60/072,151
PRIOR FILING DATE: 1998-01-22
PRIOR APPLICATION NUMBER: 08/915,461
PRIOR FILING DATE: 1997-08-20
NUMBER OF SEQ ID NOS: 48
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 35
LENGTH: 2380
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (19)...(2313)
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OTHER INFORMATION: Human VR2
US-09-235-451-35

Query Match
Best Local Similarity 2.4%; Score 32.8; DB 4; Length 2380;
Matches 55; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

Qy 1083 cttaagtttaacacacgacgacgacgacgacgacgacgacgacgacgac 1142
Db 402 CTTAAGTTTACGACACACCTTCAATCAGACGCTTACCTGTGAGACCCCTGTGTATTC 343
Qy 1143 cgaagcgatgatgacctgatatctgaccca 1174
Db 342 CGAGTCGTGAGTACTGCTGTCTCTCTCA 311

RESULT 10
US-08-387-942C-7
Sequence 7, Application US/08387942C
Patent No. 5939289
GENERAL INFORMATION:
APPLICANT: ERTESVAG, HELGA
APPLICANT: VALLA, SYEIN
APPLICANT: SKJAK-BRAEK, GUDMUND
APPLICANT: LARSEN, BJORN
TITLE OF INVENTION: DNA COMPOUNDS COMPRISING SEQUENCES
ENCODING MANNURONAN C-5-EPIMERASE
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP
STREET: P.O. BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22042
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/387,942C
FILING DATE: 09-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR, GERALD M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 1809-106P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
TELEFAX: 703-205-8050
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1155 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-387-942C-7

Query Match
Best Local Similarity 2.4%; Score 32.4; DB 2; Length 1155;
Matches 54; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

Qy 1081 ctcttaagtttaacacacgacgacgacgacgacgacgacgacgacgacgac 1140
Db 625 CTGACGACACACGCTGCTGACGACGCGCGCGCTGTGAGTCAACGCGGCTCG 684
Qy 1141 tacgagcgatgatgacctgatatctg 1170
Db 685 TAGGACTGTGCGCGCGCGCTGAGACATCTGTG 714
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[illegible]

Query Match	2.48;	Score 32.2;	DB 4;	Length 4411529;
Best Local Similarity	51.48;	Pred. No. 55;		
Matches	75;	Conservative	0;	Mismatches 71;
				Indels 0;
				Gaps 0;

Query Match	2.4%;	Score 31.8;	DB 2;	Length 1518;
Best Local Similarity	46.0%;	Pred. No. 4.5;	Mismatches 127;	Indels 0; Gaps 0;
Matches 108;	Conservative	0;		
QY 988	ggccgcagcgaagaagctgtgcgtcggtgtgcccgcagccgcgaacaatcctcatcaag	1047		
Db 1006	GGCAGCCCGGACCGAGATCTACGACCGCTCCCGGAGCGGATTCGCGCAGCTTCATGGA	1065		
OY 1048	cytaacaacctgcgacatttccctgaaaacaacatcttcaagttcaacaacagccggttaac	1107		
Db 1066	CAGGCCAACCCTTGCGCGCGCGGTGCACCGGCCCTCCCAACCCGGGATTTACGTGGAATC	1125		
OY 1108	ggcgcgaccgcgcacatgctgcccattgttacttaacagcgcgtatgccccttgcataac	1167		

Db 1126 GACGTTCTCGGCTCGAGCGCTGAAGCGCACGCCCCGGCGAAGACCAACATCGAGGCCCGCGGG 1185  
 Oy 1168 ctgcacacccctgcttcttgcggaattaatctgcgagatcaccagacgcgcgagc 1222  
 Db 1186 CACGCCACCCCTGATGTGCTCTCCGGAACCATCTCGGGTCAACCCGGGCTCCACG 1240

RESULT 14

US-08-997-362-88  
; Sequence 88, Application US/08997362  
; Patent No. 5985287

```

1  GENERAL INFORMATION:
2  APPLICANT: Tan, Paul
3  APPLICANT: Hiayama, Jun
4  APPLICANT: Visser, Elizabeth
5  APPLICANT: Skinner, Margot
6  APPLICANT: Scott, Linda
7  APPLICANT: Prestidge, Ross
8  TITLE OF INVENTION: COMPOUNDS AND METHODS FOR
9  TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF MYCOBACTERIAL INFECTIONS
10 NUMBER OF SEQUENCES: 194
11 CORRESPONDENCE ADDRESS:
12 ADDRESSEE: Law Offices of Ann W. Speckman
13 STREET: 2601 Elliott Avenue, Suite 4185
14 CITY: Seattle
15 STATE: WA
16 COUNTRY: USA
17 ZIP: 98121
18
19 COMPUTER READABLE FORM:
20 MEDIUM TYPE: Diskette
21 COMPUTER: IBM Compatible
22 OPERATING SYSTEM: DOS
23 SOFTWARE: PASTSEQ for Windows Version 2.0
24 CURRENT APPLICATION DATA:
25 APPLICATION NUMBER: US/08/997,362
26 FILING DATE:
27 CLASSIFICATION:
28 PRIOR APPLICATION DATA:
29 APPLICATION NUMBER: U.S. Patent Application No. 5985287 08/873,970
30 FILING DATE: June 12, 1997
31 APPLICATION NUMBER: U.S. Patent Application No. 5985287 08/705,347
32 FILING DATE: August 29, 1996
33 ATTORNEY/AGENT INFORMATION:
34 NAME: Sleath, Janet
35 REGISTRATION NUMBER: 37,007
36 REFERENCE/DOCKET NUMBER: 11000.1002c2
37 TELECOMMUNICATION INFORMATION:
38 TELEPHONE: 206-269-0565
39 TELEFAX: 206-269-0563
40 TELEX:
41
42 INFORMATION FOR SEQ ID NO: 88:
43 SEQUENCE CHARACTERISTICS:
44 LENGTH: 1518 base pairs
45 TYPE: nucleic acid
46 STRANDEDNESS: single
47 TOPOLOGY: linear
48
49 MOLECULE TYPE: Genomic DNA
50
51 US-08-997-362-88

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Query Match	2.4%;	Score 31.8;	DB 2;	Length 1518;
Best Local Similarity	46.0%;	Pred. No. 4.5;		
Matches 108; Conservative	0.	Mismatches 137		

QY 988 ggcgcgagcaagaagctgftgcgcgcggagttagccgcagccgagcaaatatccatcaacg 1047  
Db 1006 GGCAGCCCGACGAGATCTACGACCCTGCCGGAGGGTTCGTGCGCACCTTCATCGGA 1065  
QY 1048 cgtcaaacctcgtgcacatttcctgaaanaaactcttcaagttcaacacagcgcgtcaac 1107  
Db 1066 CAGGCCCAACTCTCGGGCGGGCGGCGGACCGCCGCTTCAACGACGATTACGTGCGAATC 1125

Oy	1108	gagcgagccggcgccatgtagtgcgcattgtaactaaagcggtgatgccttgatatac	1167
Db	1126	GACCTTCTCGGCTGACGCTGAAGGCAACGCCGGGGAACACCATGATGACCCGGCGG	1185
Oy	1168	ctgcacacactgatttttggcgacattaatcgttcgcgataccgagacgcgcaag	1222
Db	1186	CACGCAACCTTATGATGCTGCTCCGGAACGCATCTCGGTCATCCCGCGGCTCCAG	1240

RESULT 15

US-08-873-970-88  
; Sequence 88, Application US/08873970  
; Patent No. 6001361

```

1  GENERAL INFORMATION:
2  APPLICANT: Tan, Paul
3  APPLICANT: Hiyaama, Jun
4  APPLICANT: Visser, Elizabeth
5  APPLICANT: Skinner, Margot
6  APPLICANT: Scott, Linda
7  APPLICANT: Prestidge, Ross
8  TITLE OF INVENTION: COMPOUNDS AND METHODS FOR
9  TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF MYCOBACTERIAL INFECTIONS
10 NUMBER OF SEQUENCES: 106
11 CORRESPONDENCE ADDRESS:
12 ADDRESSEE: Law Offices of Ann W. Speckman
13 STREET: 2601 Elliott Avenue, Suite 4185
14 CITY: Seattle
15 STATE: WA
16 COUNTRY: USA
17 ZIP: 98121
18 COMPUTER READABLE FORM:
19 MEDIUM TYPE: Diskette
20 COMPUTER: IBM Compatible
21 OPERATING SYSTEM: DOS
22 SOFTWARE: FASTSEQ for Windows Version 2.0
23 CURRENT APPLICATION DATA:
24 APPLICATION NUMBER: US/08/873,970
25 FILING DATE:
26 CLASSIFICATION: 435
27 PRIOR APPLICATION DATA:
28 APPLICATION NUMBER: 08/7705,347
29 FILING DATE: 29-AUG-1996
30 ATTORNEY/AGENT INFORMATION:
31 NAME: Sleath, Janet
32 REGISTRATION NUMBER: 37,007
33 REFERENCE/DOCKET NUMBER: 11000.1002C1
34 TELECOMMUNICATION INFORMATION:
35 TELEPHONE: 206-269-0565
36 TELEFAX: 206-269-0563
37 TELEX:
38 INFORMATION FOR SEQ ID NO: 88:
39 SEQUENCE CHARACTERISTICS:
40 LENGTH: 1518 base pairs
41 TYPE: nucleic acid
42 STRANDEDNESS: single
43 TOPOLOGY: linear
44 MOLECULE TYPE: Genomic DNA
45 US-08-873-970-88

```

```
Query Match      2.4%; Score 31.8; DB 3; Length 1518;
Best Local Similarity 46.0%; Pred. No. 4.5;
Matches 108; Conservative 0; Mismatches 127.
```

[illegible]





1 FILING DATE: 21-SEP-1995  
 2 APPLICATION NUMBER: JP HEI 6-233086  
 3 FILING DATE: 28-SEP-1994  
 4 ATTORNEY/AGENT INFORMATION:  
 5 NAME: OBLON, NORMAN F.  
 6 REGISTRATION NUMBER: 08/531,601  
 7 REFERENCE/DOCKET NUMBER: 2589-031-0  
 8 TELECOMMUNICATION INFORMATION:  
 9 TELEPHONE: (703) 413-4220  
 10 TELEFAX: (703) 413-2220  
 11 TELETYPE: 2488955 OPAT UR  
 12 INFORMATION FOR SEQ ID NO: 2:  
 13 SEQUENCE CHARACTERISTICS:  
 14 LENGTH: 1596 base pairs  
 15 type: nucleic acid  
 16 STRANDEDNESS: double  
 17 TOPOLOGY: linear  
 18 MOLECULE TYPE: DNA (genomic)  
 19 OS-88-59-032-2

Query Match	Best Local Similarity	2.3%;	Score 31.4;	DB 2;	Length 1596;	
Matches	86;	Conservative	0;	Mismatches 91;	Indels 0;	Gaps 0;
QY	152	tcaaaaagccaaagtgcgtgtttggaagacaaagaatccgcggtgtgttttaccbpcg	211			
Db	794	tcaagcacgctgacacggatcttgatgaagcaaacacagctttttggcatcacaggctc	853			
QY	212	cgccttcaggacaaatgcgcggatctaccctgtgcgaagaagcgcgtacttcagtcagc	271			
Db	854	aattggcattcaagaatccgtgcgttcctctgctgtrccaaagctccaaagccatgcagccg	913			
QY	272	tgattgcgtltgaagcaagcaagcaatkcagatgttttgaagccttaagccctgaagcgc	328			
Db	914	agctcacagctgggtactatatacttaactgattaaagacggctcacagaccattatggcac	970			

RESULT 20  
 US-08-531-601-3  
 ; Sequence 3, Application US/08531601  
 ; Patent No. 5686684  
 ; GENERAL INFORMATION:  
 ; APPLICANT: YOSHIGI, NAOHIRO  
 ; APPLICANT: MAEBA, HIDEO  
 ; APPLICANT: OKADA, YUKIO  
 ; TITLE OF INVENTION: RECOMBINANT BETA-AMYLASE  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESS: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT  
 ; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
 ; CITY: ARLINGTON  
 ; STATE: VIRGINIA  
 ; COUNTRY: USA  
 ; ZIP: 22202  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/531,601  
 ; FILING DATE: 21-SEP-1995  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP HEI 6-233086  
 ; FILING DATE: 28-SEP-1994  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: OBLON, NORMAN F  
 ; REGISTRATION NUMBER: 08/531,601  
 ; REFERENCE/DOCKET NUMBER: 2389-031-0  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (703) 413-3000

Patent No. 5834592  
GENERAL INFORMATION:  
APPLICANT: Corixa Corporation  
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE  
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF LEISHMANIASIS  
NUMBER OF SEQUENCES: 18









TELECOMMUNICATION INFORMATION:  
TELEPHONE: 303-231-1000  
TELEFAX: 303-231-1098  
TELEX:  
INFORMATION FOR SEQ ID NO: 25:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6270 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-418-893D-25

Query Match 2.3%; Score 31; DB 1; Length 6270;  
Best Local Similarity 51.9%; Pred. No. 18;  
Matches 70; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

QY 217 tcaggaataatcgccgagttaccgctggcgaagaacgagctactcagtcagtgatt 276  
DB 247 TCTGTGGAAGACTACGTGAATCCGCTGTGGAATCCGCTCATTCGTAAGTCTCATC 306  
QY 277 gccgttgaaggaacgaacgaatcgatttgaacgctacgacctaagcgctgcaaac 336  
DB 307 GCCAACACGGCATGCGCGCAAAATCCATCTCTCATGCTCATGCGCTCATATG 366  
QY 337 ttaagcgcggaagaa 351  
DB 367 GAATTCGGGGACGAA 381

## RESULT 34

US-08-418-893D-22  
Sequence 22, Application US/08418893D  
Patent No. 5559220  
GENERAL INFORMATION:  
APPLICANT: ROESSLER, PAUL G  
APPLICANT: OHLROGE, JOHN B  
TITLE OF INVENTION: GENE THAT ENCODES ACETYL-COENZYME A  
TITLE OF INVENTION: CARBOXYLASE FROM CYCLOTRELLA CRYPTICA  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NATIONAL RENEWABLE ENERGY LABORATORY  
STREET: 1617 Cole Blvd.  
CITY: Golden  
STATE: CO  
COUNTRY: USA  
ZIP: 80401-3393  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/418,893D  
FILING DATE: April 7, 1995  
CLASSIFICATION: 800  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/104,938  
FILING DATE: September 14, 1993  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: O'CONNOR, EDNA  
REGISTRATION NUMBER: 29,252  
REFERENCE/DOCKET NUMBER: MRI/NREL IR# 92-48CON  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 303-231-1000  
TELEFAX: 303-231-1098  
TELEX:  
INFORMATION FOR SEQ ID NO: 22:  
SEQUENCE CHARACTERISTICS:

LENGTH: 6790 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-418-893D-22

Query Match 2.3%; Score 31; DB 1; Length 6790;  
Best Local Similarity 51.9%; Pred. No. 19;  
Matches 70; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

QY 217 tcaggaataatcgccgagttaccgctggcgaagaacgagctactcagtcagtgatt 276  
DB 694 TCTGTGGAAGACTACGTGAATCCGCTGTGGAATCCGCTCATTCGTAAGTCTCATC 753  
QY 277 gccgttgaaggaacgaacgaatcgatttgaacgctacgacctaagcgctgcaaac 336  
DB 754 GCCAACACGGCATGCGCGCAAAATCCATCTCTCATGCTCATGCGCTCATATG 813  
QY 337 ttaagcgcggaagaa 351  
DB 814 GAATTCGGGGACGAA 828

## RESULT 35

US-08-471-119A-1  
Sequence 1, Application US/08471119A  
Patent No. 5827706  
GENERAL INFORMATION:  
APPLICANT: Leitner, Ernst  
APPLICANT: Schneider, Elisabeth  
APPLICANT: Schoerendorfer, Kurt  
APPLICANT: Weber, Gerhard  
TITLE OF INVENTION: Cyclosporin Synthetase  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. 5827706artis Corporation  
STREET: 59 Route 10  
CITY: East Hanover  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07936  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/471,119A  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Kassenooff, Melvyn  
REGISTRATION NUMBER: 26,389  
REFERENCE/DOCKET NUMBER: 100-8029/CONF/CONF  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201 503 8474  
TELEFAX: 201 503 8807  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4689 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Tolypocladium niveum  
STRAIN: ATCC 34921





QY	463	ga	464
Db	841	GA	842

RESULT 39  
US-08-398-

US-08-398-627-3  
; Sequence 3, Application US/08398627  
; Patent No. 5608149

```

1 GENERAL INFORMATION:
2 APPLICANT: Barry, Gerard F.
3 APPLICANT: Kishore, Ganesh M.
4 APPLICANT: Stark, David M.
5 TITLE OF INVENTION: Enhanced Starch Biosynthesis
6 NUMBER OF SEQUENCES: 51
7 CORRESPONDENCE ADDRESS:
8 ADDRESSEE: Grace L. Bonner, Monsanto Co. BBAF
9 STREET: 700 Chesterfield Parkway No. 5608149tN
10 CITY: St. Louis
11 STATE: Missouri
12 COUNTRY: USA
13 ZIP: 63198
14
15 COMPUTER READABLE FORM:
16 MEDIUM TYPE: floppy disk
17 COMPUTER: IBM PC compatible
18 OPERATING SYSTEM: PC-DOS/MS-DOS
19 SOFTWARE: Patent In Release #1.0, Version #1.25
20 CURRENT APPLICATION DATA:
21 APPLICATION NUMBER: US/08/398,627
22 FILING DATE: 03-MAR-1995
23 CLASSIFICATION: 800
24
25 PRIOR APPLICATION DATA:
26 APPLICATION NUMBER: US 08/090,523
27 FILING DATE: 12-JUL-1993
28 APPLICATION NUMBER: US 07/709663
29 FILING DATE: 07-JUN-1991
30 PRIOR APPLICATION DATA:
31 APPLICATION NUMBER: US 07/539763
32 FILING DATE: 18-JUN-1990
33 ATTORNEY/AGENT INFORMATION:
34 NAME: Bonner, Grace L.
35 REGISTRATION NUMBER: 32,963
36 REFERENCE/DOCKET NUMBER: 38-21(10559)A
37 TELECOMMUNICATION INFORMATION:
38 TELEPHONE: (314) 537-7286
39 TELEFAX: (314) 537-6047
40 INFORMATION FOR SEQ ID NO: 3:
41 SEQUENCE CHARACTERISTICS:
42 LENGTH: 1296 base pairs
43 TYPE: nucleic acid
44 STRANDEDNESS: double
45 TOPOLOGY: linear
46 MOLECULE TYPE: DNA (genomic)
47 FEATURE:
48 NAME/KEY: CDS
49 LOCATION: 1..1293
50 US-08-398-627-3

```

Query Match	2.3%	Score 30.8;	DB 1;	Length 1296;
Best Local Similarity	53.3%	Pred. No. 8.5;		
Matches	65;	Conservative	0;	Mismatches 57; Indels 0; Gaps 0.
OY	343	ggcgaaagaatgbcgcgcgaacactgcatccatccggtttgtgactgctgcaaccggt	402	
Db	721	GGCAAAATTGTGATTCACAGATCACCGAAGCGGTGTGGCTTATGGGCAACCGCTTCCG	780	
OY	403	ccgttcagcaaatctcgtcgttgatgcggaacgcttgcacatctcgtcaatgcatg	462	
Db	781	CTCTCTTGCTACATATCCAGCCGAGTCCGAGCGCTACTGCGCCGATGTGGGTACGCTG	840	
OY	463	ga	464	



\_\_\_\_\_

**COLLOC:** linear

```

? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent Release #1.0, Version #1.25 (RPO)
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: PCT/US94/05275
? FILING DATE:
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/070155
? FILING DATE: 28-MAY-1993
? INFORMATION FOR SEQ ID NO: 1:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1296 base pairs
? TYPE: nucleic acid
? STRAND: sense

```

